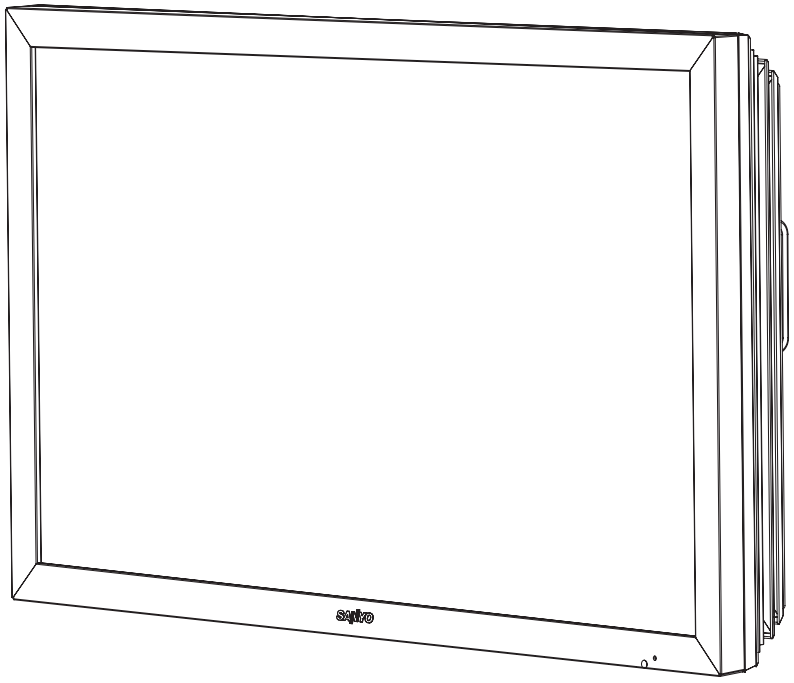
SANYO

Instruction Manual
Manuel d'utilisation
Bedienungsanleitung
Gebruiksaanwijzing
Manuale d'Istruzioni
Manual de instrucciones

CE42SR1

LCD Monitor
Moniteur d'affichage à cristaux liquides
LCD-Monitor
LCD-Monitor
Monitor LCD
Monitor de LCD

GB	**English**	Page	2~12
F	**Français**	Page	13~22
D	**Deutsch**	Seite	23~32
NL	**Nederlands**	Bladzijde	33~42
I	**Italiano**	Pagine	43~52
E	**Español**	Página	53~68



Please read this Instruction book before using your LCD monitor. We wish you many hours of pleasure from your new LCD monitor

Veuillez lire attentivement ce mode d'emploi avant d'utiliser votre moniteur d'affichage à cristaux liquides. Nous espérons que votre nouveau dispositif d'affichage vous procurera de nombreux instants de bonheur.

Lesen Sie diese Anleitung bitte aufmerksam durch, bevor Sie Ihren LCD- Monitor in Betrieb nehmen. Wir wünschen Ihnen viel Freude mit Ihrem neuen Gerät.

Lees deze handleiding voordat u uw LCD- monitor gaat gebruiken. We wensen u vele uren van plezier met uw nieuwe beeldscherm.

Leggere attentamente questo manuale d'istruzioni prima di utilizzare il monitor LCD. Vi ringraziamo per aver scelto un monitor LCD Sanyo che vi consentirà di trascorrere momenti piacevoli e divertenti.

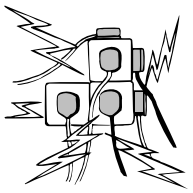
Lea este manual de instrucciones antes de usar su nuevo monitor. Deseamos que disfrute de él muchas horas.

SAFETY PRECAUTIONS

GB

CAUTION: Please read and retain for your safety. This unit has been engineered and manufactured to assure your personal safety, but improper use can result in potential electric shock or fire hazards. In order not to defeat the safeguards incorporated in this monitor observe the following basic rules for its installation, use and servicing.

Installation and Use



Do not allow anything to rest on the power cord. **Do not** locate this LCD monitor where the cord will be damaged by people walking on it.

Do not overload wall outlets and extension cords as this can result in fire or electric shock.

A suitable socket outlet must be provided near to the monitor and shall be easily accessible.

Do not place this LCD monitor near any heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

Do not place your LCD monitor on an unstable stand, shelf or table. Serious injury to an individual, and damage to the LCD monitor may result if it should fall. Your sales person can recommend approved wall mounting kit. A special wall mounting kit is available for this model.

This LCD monitor should be operated only from the type of power source indicated on the monitor or as indicated in the Operating Instructions. If you are not sure of the type of power supply, consult your sales person or your local power company.

For added protection it is strongly recommended that this LCD monitor is supplied via an approved earth fault protection device.

WARNING: To prevent injury the LCD monitor must be securely attached to the wall in accordance with the manufacturers installation instructions.

IMPORTANT:

This product must be earthed

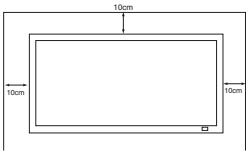
This unit is not disconnected from the mains unless the mains lead is unplugged. The installer must make sure that the waterproof inline coupler is easily accessible.

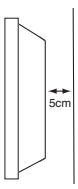
This monitor is tested to **IP66** standard rating.
This monitor is **not** protected against temporary or continuous immersion in liquid.

Do not use immediately after moving the LCD monitor from a low temperature to a high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards. Before cleaning, unplug the monitor from the wall socket.

Do not mount near an open flame source. Open flames must never be used near this LCD monitor.
This LCD monitor should not be built in or enclosed in any way, heat build up will reduce the life of the monitor.

This LCD monitor should have a minimum distance of 5cm away from the wall and the monitor should have 10cm distance around the top and sides.
Always mount using recommended and substantial fixtures and fittings.





The rear finned section around the cabinet functions as a heat sink, removing heat away from the monitor. The external surface of the cabinet (finned area) must not be covered or the airflow restricted in anyway by enclosing the LCD monitor.

The operating temperature range of this monitor is guaranteed **0°c ~ 40°c/ 32°F ~104°F**. It is not recommended to install the screen in direct sunlight without adequate shading, as this will cause the temperature of the panel to rise above the maximum specified. Doing so may cause a black shadow to appear on the screen, which will disappear when the screen temperature returns to within the specification. This “of course” does not produce any harmful effect on the lifetime of the monitor.
Do not apply liquid cleaners or aerosol cleaners directly onto the LCD monitor. Use a damp cloth for cleaning.

ADDITIONAL FOR NORTH AMERICA AND CANADA:
This monitor must **NOT** be permanently mounted to the building structure. It must be mounted in such a way that it can be removed using basic tools.
The power supply cord must **NOT** be attached to the building surface. The power supply cord must **NOT** be routed through walls, ceiling, floors, or other similar openings in the building structure.
The power supply cord **MUST** be positioned so as to prevent physical damage.

Important: (UK only)

THIS PRODUCT MUST BE EARTHED

This equipment is fitted with an approved inline waterproof mains coupler and an approved non rewireable UK mains plug. To change a fuse in this type of plug proceed as follows:

1. Remove the fuse cover and fuse.

2. Fit a new fuse which should be a BS1362 13 Amp A.S.T.A. or BSI approved type.

3. Ensure that the fuse cover is correctly refitted.

If the fuse cover is lost or damaged the plug must **NOT** be used but replaced with a serviceable plug.
If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place. If the mains plug contains a fuse, this should have a rating of 13 Amp, ensure the fuse cover is correctly fitted. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 13 Amp.

Note: The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

The wires in this mains lead are coloured in accordance with the following code:

Blue -------> Neutral
Brown ----> Live
Green and Yellow ----> Earth

1. The Blue wire must be connected to the terminal which is marked with the letter “N” or coloured BLACK.

2. The Brown wire must be connected to the terminal with the letter “L” or coloured RED.

3. The Green and Yellow wire must be connected to the terminal which is marked with the letter “E” or coloured GREEN or GREEN and YELLOW.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the wires.

Do not attempt to bypass the safety purpose of the grounding type plug.

THIS UNIT IS NOT DISCONNECTED FROM THE MAINS UNLESS THE MAINS LEAD IS UNPLUGGED.

THE INSTALLER MUST MAKE SURE THE WATERPROOF INLINE COUPLER IS EASILY ACCESSIBLE.

Servicing

Your monitor is fully transistorised and does not contain any user serviceable components.

You must not remove the rear cover of the monitor by yourself. The apparatus is working with high voltages and could damage objects or even endanger people. Leave all required repair and service jobs to an authorised service technician. He will exclusively use such spare parts that are complying with the same safety standards as applicable to the original parts. The use of original spare parts can prevent fire, shock and other hazards.

Unplug the LCD monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:

■ If the power cord or plug is damaged.

■ If liquid has been spilt in to the LCD monitor.

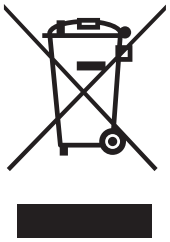
■ If the LCD monitor has been dropped or the cabinet has been damaged.

■ If the LCD monitor exhibits a distinct change in performance.

■ If the LCD monitor does not operate normally by following the operating instructions.

Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage. This will often require extensive work by a qualified technician to restore the monitor to normal operation.

Important recycling information.



Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately.

In the European Union there are separate collection systems for used electrical and electronic products.

Please help us to conserve the environment we live in!
Note: This symbol mark and recycle system are applied only to EU countries are not applied to other countries of the world.

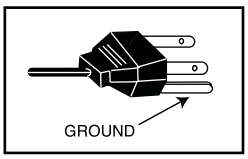
Decloration of Conformity: North America and Canada

Model Number	: CE42SR1
Trade name	: Sanyo
Responsible party	: SANYO FISHER COMPANY
Address	: 21605 Plummer Street, Chatsworth, California 91311
Telephone	: (818) 998-7322

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interence that may cause undesired operation.

AC Power Cord Requirement



The AC Power Cord supplied with this LCD monitor meets the requirement for use in the country in which you purchase it.

AC Power Cord for the United States and Canada:

AC Power Cord used in the United States and Canada is listed by the Underwriters Laboratories (UL) and certified by the Canadian Standard Association (CSA).
AC Power Cord has a grounding-type AC line plug. This is a safety feature to make sure that the plug will fit into the power outlet. Do not try to defeat this safety feature. Should you be unable to insert the plug into the outlet, contact your electrician.
THE SOCKET-OUTLET SHOULD BE INSTALLED NEAR THE EQUIPMENT AND EASILY ACCESSIBLE

End-User License

The product (meaning the equipment or appliance to which this documentation relates) incorporates Software (the software applications, utilities and modules embedded within the Product) which is owned by Sanyo or its licensors. Before using the product, please read the End-User License Conditions detailed below. If you do not agree to the terms and conditions of the End-User License, Please do not proceed to use the Product- repack the Product unused and return it to your supplier together with proof of purchase for a full refund. By using the product, you agree to be bound by the terms and conditions of the End-User License.

License Grant, Conditions and restrictions

1. Sanyo grants you a non-exclusive, world-wide (subject to export controls), non-transferable (except as permitted by 2 below), royalty-free license to use the Software upon and with the Product.

2. You may not transfer any of your license rights in the Software without the prior written consent of SANYO and if consent is provided then the Software shall only be transferred in conjunction with the transfer of the Product AND provided that the transferee has read and agreed to accept the terms and conditions of this license.

3. You must ensure that the copyright, trademark and other protective notices contained in the Software are maintained and not altered or removed.

4. The Software provided hereunder is copyrighted and licensed (not sold). SANYO especially does not transfer title or and ownership rights in the Software to you. The Software provided hereunder may contain or be derived from portions of materials provided to SANYO under license by a third party supplier.

5. Except as expressly permitted by statute **you may not;**

   - use the Software in conjunction with any other computer hardware other than the product;
   - copy all or part of the Software;
   - incorporate all (or any of) the Software into other programs developed by (or on behalf of) you and/or used by you;
   - reverse-engineer, decompile or disassemble the Software;
   - make the Software (or any part of it) available, or permit its redistribution, for use with any computer hardware other than the Product; or rent, lease, gift, loan, sell, distribute or transfer possession of the whole or any part of the Software.

Termination

This license is effective until terminated. This license will terminate automatically without notice if you fail to comply with any of its provisions.

Disclaimer

1. The Software is(to the extent permitted by law) supplied ‘as is’ and SANYO and its suppliers expressly exclude all warranties, express or implied, including (but not limited to) warranties of satisfactory quality, fitness for purpose and non-infringement (save to the extent that the same are not capable of exclusion at law).

2. In no circumstances will SANYO be liable for any direct, indirect, consequential, or incidental damage (including loss of profits, business interruption, loss of data or the cost of procurement of substitute goods, technology or services) arising out of the use or the inability to use the Software (save to the extent that such liability is not capable of exclusion at law).

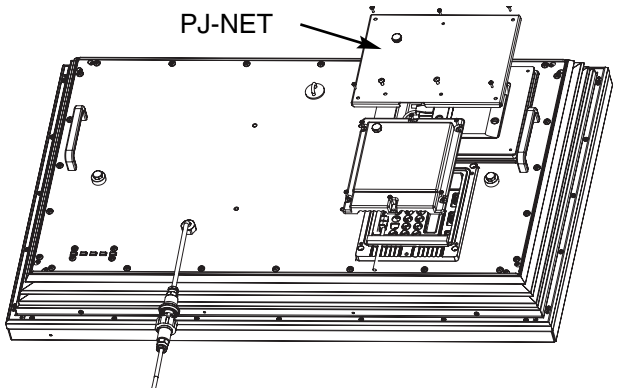
General

1. This End-User License will be governed by laws of England and the User may only bring claims in the English Courts and SANYO shall be entitled to bring a claim in the courts of any jurisdiction.
2. This End-User License is governed by the laws of the State of California. The End-User and Sanyo agree that any action to enforce or interpret the terms of this End-User License shall be brought only in the appropriate state or federal court located in Los Angeles County, California.The End-User and Sanyo hereby submit to the exclusive jurisdiction and venue of such court.

3. The above terms and conditions supersede any prior agreement, oral or written, between you and SANYO relating to the Software.

Step : 1 Mains Connection

■ Connect the display unit to VGA, BNC and Scart connector as required.

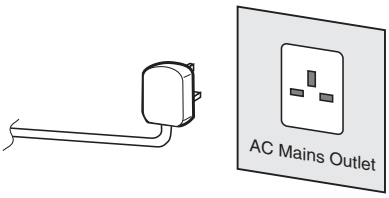


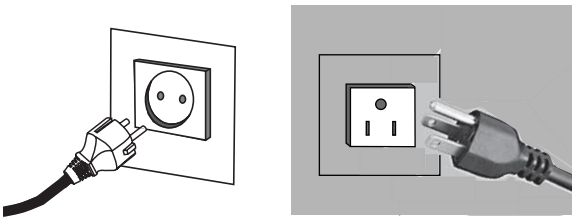
1. Connect the in-line power connector to the connector attached to the LCD monitor as shown above.

2. Connect the power cord of the LCD monitor to a wall outlet.

✎ As this product does not have a mains On/Off switch, please ensure your mains plug is easily accessible.

✎ The LCD monitor is prepared for a mains voltage AC100~240V, 50Hz/ 60Hz. To completely switch off the mains, or when the display unit is not to be used for an extended period of time, it is advisable to disconnect the power cord from the power outlet.





✎ Please use the correct mains lead supplied with the set for your area.

3. Warning: To prevent injury, the unit **must** be securely attached to the wall in accordance with the installation instructions.

WARNING! High voltages are used in the operation of this set. Refer service to qualified service personnel.

Step : 2 Connections

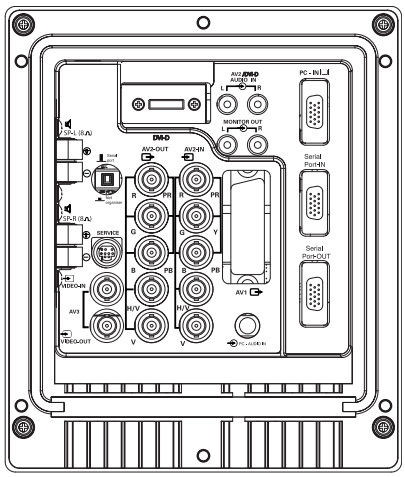
■ INPUT selection

To switch between AV1, RGB, AV2 (RGB H/V or Y, Pb, Pr) AV3, DVI or PC mode press the TV/ AV button on your remote control repeatedly or press and hold the TV/AV button for a few seconds and a selection menu will appear on screen.Use the **P▲** or **P▼** buttons to select the correct input.

1. AV1
SCART connection

2. RGB
TTL input (5V RGB signals) into SCART terminal

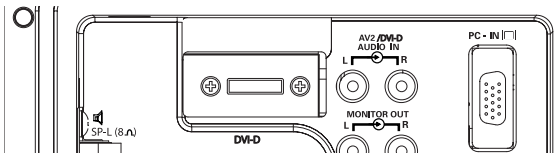
3. Y,Pb,Pr/ RGBHV connection (AV2)
This LCD monitor has a choice of Y, Pb, Pr or RGB H/V connections. You can connect your DVD player to the Y, Pb, Pr terminals instead of using a scart lead. This can support high definition in analogue component form. RGB H/V can be used as a PC input via the BNC terminals.Both options support a large range of resolutions (page 12).



4.AV3
Composite (CVBS) signal input
AV3 OUT is to output the composite video signal from the VIDEO IN so that you can connect monitors with the use of a loop through function.

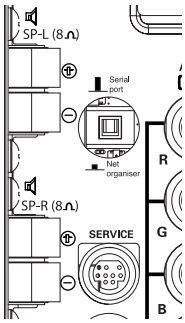
5. RS232C IN/OUT: Is a input for external commands to control the monitor (see page 9).

6. DVI-D (Digital Video Interface)
This monitor has a DVI connector. This is located at the back of the monitor next to the phono sockets. This input will support a large range of resolutions as shown on page 12. See page 7 for details of menu operation.



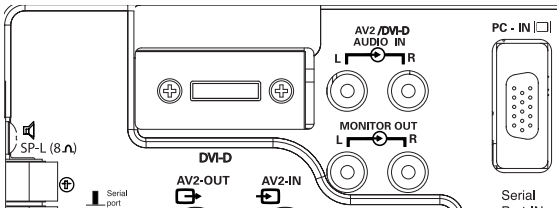
7 PC connection
This LCD monitor has a PC connector (PC-IN D-SUB).You can connect a PC to the LCD monitor and use it as a monitor display (see page 8). This input will support a large range of resolutions (see pg12). Audio can be connected via the 3.5mm PC audio in socket.

8. External Audio Output
To output the audio signal from AV 1,2,3, PC and DVI. The speaker impedance should be 8 ohms.



9.PJ Net IN/OUT: Has the ability for PJ-NET to be connected to control the monitor using a network.

10.Use of Monitor Audio Output Connections
The audio monitor out sockets on the rear of the set provide a fixed level audio output for reproducing sound via your audio equipment.



TV/AV button
To switch from AV1, RGB, AV2, AV3, DVI or PC mode press repeatedly or Press and hold in a few seconds, an AV selection menu appears. Select the mode you require using the P▲P▼ buttons

Screen mode selector
To select the screen mode, Natural, Full, Zoom, Title-in or Normal.
Refer to page 10

Standby
To switch the monitor on and off. Also see page 7

Recall
To display Input selection information and the OFF Timer if set.
You can also select colour systems in AV mode as follows
AUTO -> PAL -> SECAM -> NTSC3.58

MENU
To enter and exit the main menu, and sub menus.

Level up/down
To adjust the sound volume level, or enter sub menus

Picture mode selection
Press the →·← button repeatedly to select the following picture modes.
Personal - Personal preference mode.
Dynamic - Suitable for brightly lit rooms.
Standard - Normal viewing mode.
Eco - Suitable for dimly lit rooms and gives a cinema - like effect.

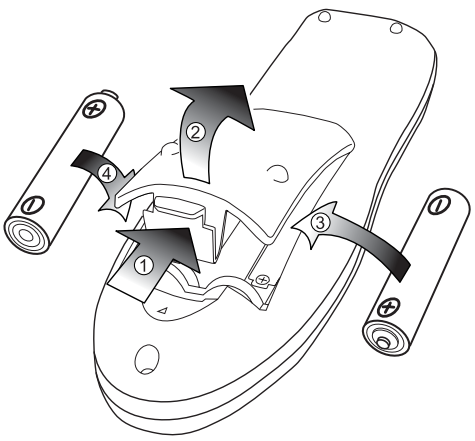
Surround mode selector
To select the surround mode, OFF, MID, MAX

Up and down
To select the next item

Sound mute
To mute the sound from the speakers.
The sound changes as follows;
Normal volume -> Mute

Bass expander
To get an emphasised bass sound ON or OFF.

Remote control battery installation



Install two "AA" 1.5 volt batteries so that the "+" and "-" marks on the batteries match the "+" and "-" marks inside the unit into the remote control handset.

FOR EU USERS

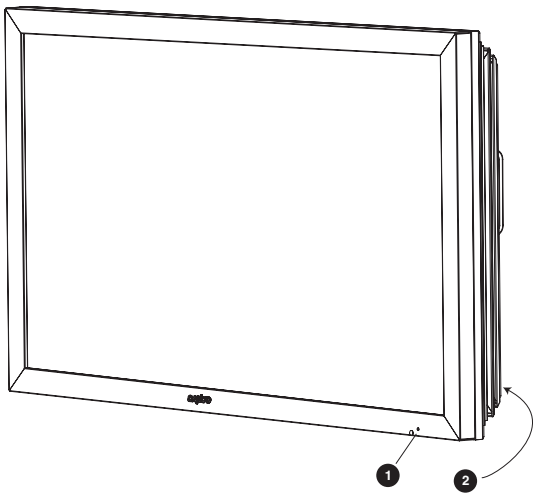
The symbol mark and recycling systems described below apply to EU countries and do not apply to countries in other areas of the world.
Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and/or reused.

The symbol mark means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, shouldbe disposed of separately from your household waste.

In the European Union there are separate collection systems for used electrical and electronic equipment, batteries and accumulators.
Please, dispose of them correctly at your local community waste collection/recycling centre.

Please, help us to conserve the environment we live in!

Controls and Menus



1. The LCD display has a Standby light to show there is power.

Switching into/from standby mode
The Standby mode is used for switching the LCD monitor off for short periods of time. In standby mode the monitor is switched off but is still receiving mains power.

- To turn the monitor into standby mode, press the ⏻ **button**. *The blue power indicator illuminates more brightly*.
- To turn the monitor ON from standby mode, press any of the following buttons: ⏻, **P▲**, **P▼** or **0-9 buttons**.

⚠	If you find the power indicator flashing, disconnect power cord from the power outlet and contact our Service desk.
⚡	This warning is a sign to let you know that the power protection function of this TV set is now operating.

2. Control buttons (bottom corner of back cover)

Menu/F button: rotate between volume, brightness, contrast, colour, sharpness and OSD language.

Input/ OK button: Switch between AV1, RGB, AV2, AV3, DVI and PC mode.

▲ ▼ buttons: provide up and down adjustments.

⏻ button: To switch to standby mode (to switch off completely disconnect the monitor from the power supply).

Menu Operation

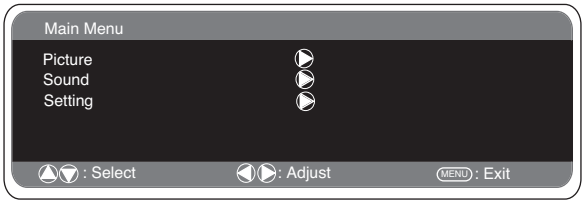
Many of your monitors functions are controlled through the menu function, using the remote control handset.

MENU

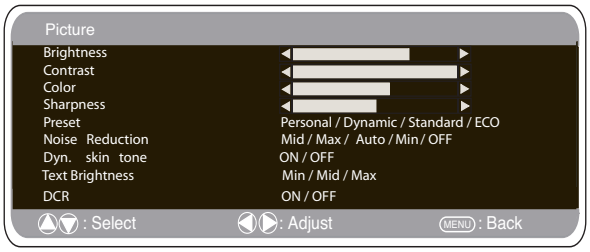
- Picture
  - Brightness
  - Contrast
  - Color
  - Sharpness
  - Preset — Personal / Dynamic / Standard / Eco
  - Noise Reduction — Min/ Mid / Max / Auto / OFF
  - Dyn. Skin Tone — ON / OFF
  - Text Brightness — Min/ Mid / Max
- Sound
  - Volume
  - Balance
  - Bass
  - Treble
  - Preset — Personal /Talk/ Music/ Normal
  - Surround — Mid / Max / OFF
- Setting
  - OSD Language
  - Timer — Off Timer OFF/ 5-120 mins
  - Text Language — Greek/ West/ East/ Cyrillic
  - AV2 Setting — RGB, H/V / Y Pb Pr

During menu operation the bottom of the on screen display will show which controls can be used for menu navigation.
Press the **MENU** button to **enter** the main menu.

A sub menu is selected using the **P▲** or **P▼ button** and pressing the **+ button** when the required sub menu is highlighted.
When you have finished you can press the **MENU button** to exit, then the **MENU button** again to exit the main menu.



Picture menu



1. Press the **MENU button.** Select **Picture** using the **P▲** or **P▼ button.** Press the **+button** to enter.
Set the picture settings for your "**personal"** preference.

2. Use the **P▲** or **P▼ button** to select eg. Brightness and the + or **− button** to adjust levels.

3. Preset : You can select either your **"Personal"** settings, or Dynamic, Standard or Eco settings.

4. Noise Reduction: May be used to reduce any local picture 'noise' (granular appearance) being experienced by using +or−button to select between Mid / Max / Auto / OFF /Min.

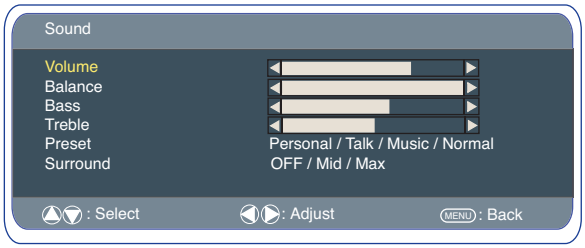
5. Dynamic skin tone: May be used to enhance skin tone by using +or − button to select between On / Off.
Tint : is only available if NTSC equipment is connected.

6. Text Brightness: May be adjusted by using +or− button to select between Min / Mid / Max.
Press the **MENU button** to return to **Main Menu.** These settings automatically store when you exit the menu.

7. Dynamic contrast (DCR): Improves the contrast level

Sound menu

Press the **MENU button** and select **Sound** using the **P▲** or **P▼** **buttons**, press the ◢+ button to enter.



Select and adjust to obtain the best sound settings for your environment using the **P▲** or **P▼** and ◢+ or ◢− **buttons**. Press the **MENU** button to return to **Main Menu.** These settings automatically store when you exit the menu.Press the **MENU button** to exit menu.

Setting menu

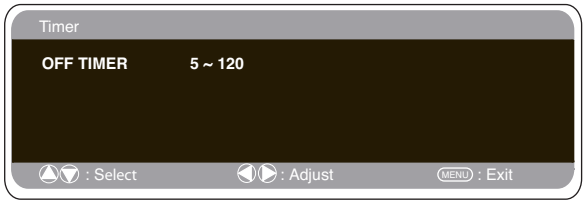
■ OSD Language

Use the ◢+ or ◢− **button** to select the prefered OSD language (English, French, German, Italian, Spanish, Dutch). Press the MENU button to return to main menu.

■ Off-timer setting

The Off timer will switch the monitor into the standby mode when the selected time has elapsed.

Press the **MENU button.** Select **Setting** using the **P▲** or **P▼** **button** press the ◢+ **button** to enter.
Select **Timer** using the **P▲** or **P▼ button,** press ◢+ button to enter Timer Menu. Press the ◢+ or ◢−**button** to change time.



The time changes in 5 minute steps.The maximum time is 120 minutes.
If you have set the off timer, a count down display appears in the corner of the screen when the recall button is pressed.

✎ *If the monitor is switched off by the **standby button** ⏻ on the remote control or by the standby switch ⏻ on the back of the LCD monitor the timer settings will be cancelled.*

■ Text Language

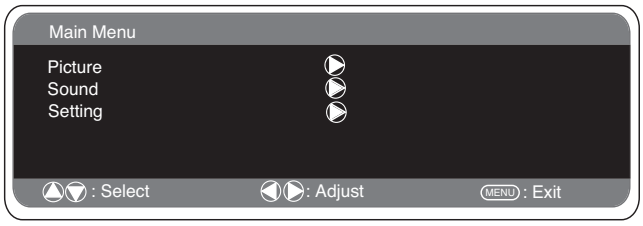
Press the **MENU button.** Select **Setting** using the **P▲** or **P▼ button** press the ◢+ **button** to enter.Select **Text language** using the **P▲** or **P▼ button**.Press the ◢+ or ◢− **button** to select West, East, Greek or Cyrillic.Press the **MENU button** to exit.

WEST		EAST		GREEK		CYRILLIC	
ENGLISH	GERMAN	POLISH	ESTONIAN	ENGLISH	FINNISH	POLISH	SLOVENIAN
SWEDISH	ITALIAN	ROMANIAN	CZECH	GERMAN	DANISH	GERMAN	RUSSIAN
FINNISH	HUNGARIAN	SLOVAKIAN	CROATIAN	SWEDISH	HUNGARIAN	CROATIAN	LETTISH
FRENCH	SPANISH	GERMAN	SLOVENIAN	ITALIAN	FRENCH		
TURKISH	DANISH			SLOVENIAN	TURKISH		
PORTUGUESE				GREEK	CROATIAN		

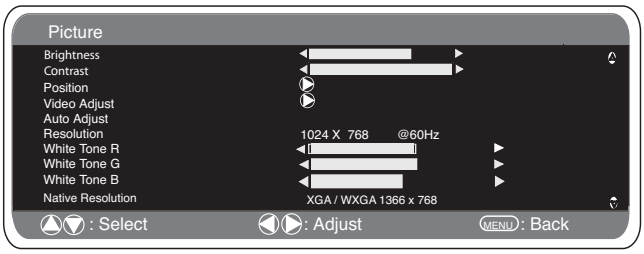
■ AV2 setting

Press the **MENU button.** Select **Setting** using the **P▲** or **P▼** **button** press the ◢+ **button** to enter.
Select AV2 setting using the **P▲** or **P▼ button**.
Press the ◢+ or ◢− **button** to select either Y,Pb,Pr or RGB H/V.
Press the **MENU button** to exit, this automatically stores your changes. Press the **MENU button** again to exit the main menu.

PC menu settings



Connect your PC to either PC-IN or RGBHV on the rear of the set. Once connected select PC mode or AV2 (RGBHV, see page 5 for AV2 input settings) via the **TV/⊏** button on your remote control. The set will become a monitor for the PC.
By pressing the **MENU** button on the remote control a menu window will appear on screen, this allows the settings to be adjusted.
To adjust the Picture settings select picture using the **P▲** or **P▼** buttons on the remote control then the ◢+ button to enter the following picture settings menu.
Press the ◢+ or ◢− **buttons** to adjust the Picture brightness and the same to adjust the contrast of the picture.



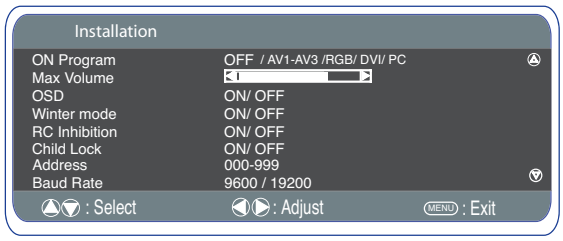
Picture position changes the picture horizontally and vertically. Press the ◢+ **button** to enter the sub menus, adjustment is carried out using the ◢+ or ◢− **buttons** on the remote control.
Video adjust changes the Phase and the clock of the screen. If the picture is blurred or grainy this function will adjust it to a clearer picture, adjustment is carried out using the ◢+ or ◢− **buttons** on the remote control.
Auto Adjust will automatically centralize the picture by using the ◢+ button. This will change all the above settings automatically. Auto adjust can also be achieved by pressing the [-][Y][?] /recall button on the remote control without having to select the menu.
Resolution displays the current resolution of the picture. This is for information only and cannot be adjusted.
White tone: Using the ◢+or◢− **buttons** it is possible to adjust the colour tone of the picture using the White tone **Red(R) / Green (G)/ Blue(B**). This will adjust the picture to show more or less of the chosen colour. For example if red is selected you can adjust the pro portion of red in the picture to increase or decrease using the ◢+ or ◢− **buttons.**
Native Resolution is used when the PC can output WXGA 1366 x 768. The setting on your Monitor set can be changed to receive XGA/WXGA signal using the ◢+ or ◢− **buttons** . Once the native resolution has been selected, save the settings by switching the monitor off then on using the standby button.

For Sound settings refer to sound menu (Page 8)
Setting: Press the menu button on your remote control and use the **P▲** or **P▼** buttons to select Settings. The ◢+ button will enter the settings menu.

PC menu settings

OSD Language, Timer and AV2 settings are the same as in all input modes (pg 8).
Power save if turned ON will switch the monitor into Powersave mode after 1 minute if no signal is detected, the LED light will turn a brighter blue to indicate stand by. The monitor will automatically turn back on when a signal has been detected (PC input / RGBHV).
Use ◢+ or ◢− **buttons** to select power save ON or OFF.
Press the menu button twice to initiate Powersave.

Installation Menu



This LCD monitor allows you to set up the following:-

SETTING PROCEDURE

1. Press and hold the **green button** on the Remote control handset for 5 seconds.(Installation menu will appear)

2. Use the **P▲** or **P▼ button** to highlight **each option**, use the ◢+ or ◢− button to adjust each option.

■ On Program
Select ON program using the **P▲** or **P▼** button, select the start up position using the ◢+ or ◢− buttons.
(Off / AV1 / RGB/ AV2/ AV3/ DVI/ PC)
Press the **MENU button** to exit the menu.

■ Max Volume
Select Max volume using the **P▲** or **P▼** button, use the ◢+ or ◢− buttons to set the maximum volume required.

■ OSD (On screen display)
Select OSD using the **P▲** or **P▼** button, select ON / OFF using the ◢+ or ◢− buttons.Selecting OFF will inhibit the OSD. To re-instate OSD, press and hold the green button on the remote control to re-enter installation menu and select OSD ON.

■ Winter mode
This Function can be activated when the LCD monitor is used during cold temperature conditions, approximately 38˚F/ 4˚C or below to maintain picture performance.
Using the **P▲** or **P▼ button** select winter mode, once highlighted you can select ON or OFF by pressing the ◢+ or ◢− **button**.
IMPORTANT: The AC cord should not be disconnected during the operation of Winter mode function.
When in winter mode, power consumption is higher than normal standby consumption. This is entirely due to the operation of heating circuitry. We strongly recommend to turn off Winter mode when the ambient temperature is above 38˚F/ 4˚C.

■ RC Inhibition
You can prevent unwanted remote control operation by selecting RC Inhibition. When selected an inhibit symbol will appear on screen when a button is pressed on the remote control.
Select using the **P▲** or **P▼ button.** Press the ◢+ or ◢− **button** to select On or OFF.
To re-instate RC operation press and hold the green button on the remote control and select RC inhibition OFF.

■ Child lock
You can prevent unwanted operation of the LCD monitor via the buttons on the rear of the monitor.
Select using the **P▲** or **P▼ button.** Press the ◢+ **button** to select On or OFF.

✎ Disconnecting the mains suppy before exiting installation menu will cancel the following features On program, RC inhibition, Address and Baud Rate.

RS232C settings

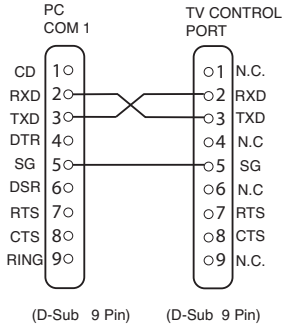
This monitor can be controlled via the RS232C connector using a suitable computer/ control commands.

Serial Interface Specification
Transfer Specification
1. Transmission Speed: initial setting value is 19200.
2. Transmission speed can be changed via the Installation menu (see below baud rate)

ITEM	SPECIFICATION
Synchronous system	Asynchronous
Transmission Speed	9600 / 19200
Data Length	8 bit
Parity	None
Stop Bit	1
Flow Control	None

Connection

The Designated RS-232C serial cable must be used for a connection to a computer and LCD monitor.

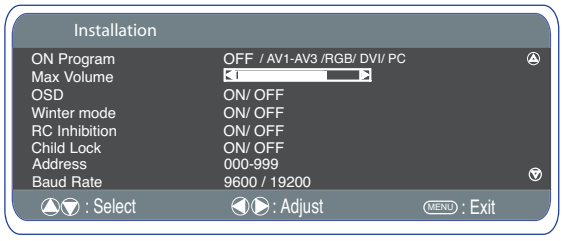


The TV command is defined by one command/ one line that starts with “C” and ends with carriage return. (0x0D)

There are two types of commands:
Functional Execution Command e.g Co5[CR] (table on page 64)
Status Read Commands e.g “CR0 [CR] (see table on page 64)

Setting the monitor address in RS232 mode

To Access Installation mode press the **green button** on the remote control and hold for 5 seconds. A new screen will appear.



Each monitor can have a specific Address for example 007, which enables the monitor to be controlled individually and will not affect other monitors connected to a controlling PC.

Address format command
The addressing format command is used for operating multiple monitor sets from a single PC via the RS232C command line. If you set your monitor address to ‘000’, it will never respond to any addressing command from the PC.
If the address from the PC is ‘FFF’, all monitor sets will execute the command.
The Address format command is defined by one command, one line which starts with ‘A’ and ends with carriage return.(0 x0D)
The Monitor starts to decode when it receives a carriage return. (0x0D)
An address is added at the top of a control command
Example:
Functional execution command:
“A001C05” [CR] means address is 001 and the control command is C05
Status read command
“A001CR0”[CR] means address is 001 and command is CR0.

The monitor can set its own address in the Installation option menu (above) The address range is 000 - 999, the default address will be 000
The baud rate indicates the unit for transfer speed of data from the PC to the monitor sets

Selecting of picture size

■ Screen options

Today there are various transmission formats with different size ratios, eg. 4:3 ,16:9 and video formats such as letterbox.

Press the WIDE button repeatedly to select your desired setting.

✐ When in High Resolution (720p / 1080i) YPbPr or DVI, the picture will remain fixed in 16:9 format 'Full size' and may not be changed.

■ Natural

4:3	16:9	Letterbox Video
Stretches the picture horizontally to fill the screen. The picture is more stretched at the edges.	The picture fills the screen and is proportionally correct.	The black bars top and bottom remain and the height is compressed to fit the picture area.

■ Zoom

4:3	16:9	Letterbox Video
The correct picture width is maintained but the top and bottom are cropped.	Zooms in slightly cropping the top and bottom.	The black bars top and bottom are smaller and the picture height is compressed slightly.

■ Title - In

4:3	16:9	Letterbox Video
As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.	As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.	As Zoom (16:9), but bottom is compressed even more to allow subtitles to be seen.

■ Full

4:3	16:9	Letterbox Video
The whole screen is filled stretching the width.	The whole screen is filled with the corrrect picture ratio.	The black bars top and bottom are present and the height is compressed.

■ Normal

4:3	16:9	Letterbox Video
The correct ratio is maintained with black bars on the left and right.	Black bars left and right, picture height is stretched.	Black bars left, right, top and bottom.

Specification

Common specification

Power source 100~240V 50Hz / 60Hz

Colour system PAL NTSC3.5 ,SECAM

AV terminal

AV1: Scart CENELEC Standard
Input: Composite video, RGB (5V RGB with 5V sync to pin 14) and audio-L/R
Output: composite video and audio L/R

AV2: BNC
Input: RGB, H and V / Y, Pb, Pr and audio L/R
Output: RGB, H and V / Y, Pb, Pr

AV3: BNC
Input: Composite video
Output : Composite video

Audio Monitor.Out: CINCH L/R
Audio Speaker out: 2 x 6W

DVI Input : DVI-D GROUP Standard
PC Input: Mini D-SUB 15 PIN and Audio 3.5mm Jack

Serial port: RS232C: Input / Output
Net Organiser: POA-LN01 (optional)
When ordering these products, give the Name and Type No. to the sales dealer.

Contrast Ratio 1200:1

Screen(inches/ cm) (viewing measured diagonally) 42" / 107 cm

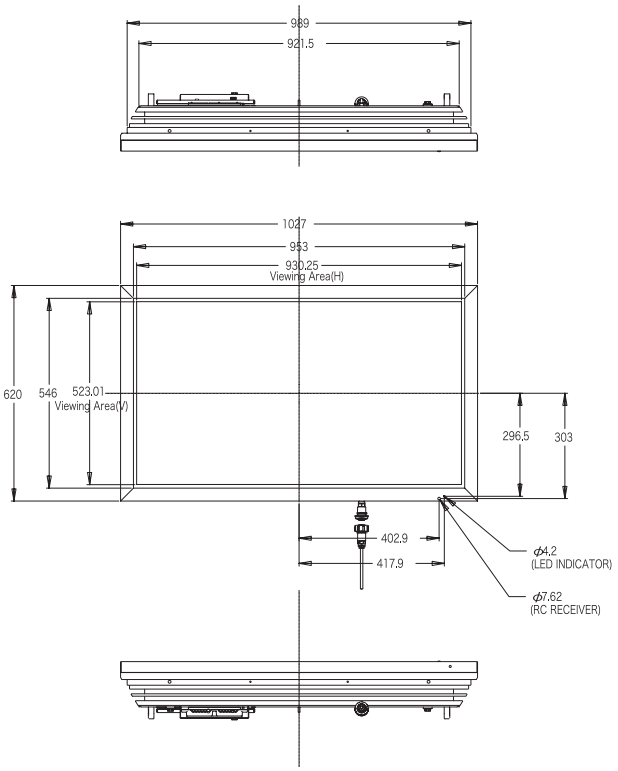
Display Native Resolution 1366 x 768 (WXGA)

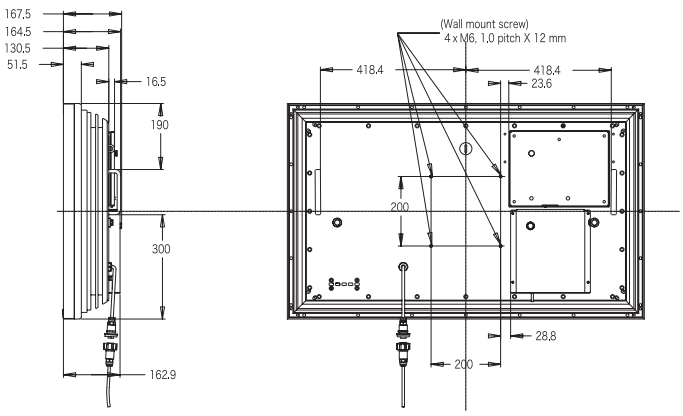
Viewing angles H:178°, V:178°

Dimensions (WxHxDmm) 1027x620x167.5

Weight (kg) 40

Model: CE42SR1





Helpful hints

■ **NO PICTURE, NO SOUND**
- Check if monitor is plugged in.
- Check monitor is not in standby mode

■ **POOR PICTURE, SOUND OK**
- Adjust BRIGHTNESS/ CONTRAST LEVELS (too low).

■ **NO COLOUR, PICTURE OK**
- Adjust COLOUR control.
- Check lead connections
- Does the signal input have colour

■ **REMOTE CONTROL DOES NOT WORK**
- Check batteries are inserted correctly
- Check condition of batteries
- Check to see if remote control inhibit is set ON

■ **PICTURE OK, NO SOUND**
- Check external speakers are connected correctly
- Check lead connections to external equipment
- Volume turned down or mute selected

PC signal support timing

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remark
720_400	31.47	70.09	DOS(VGA)
640_480	31.50	60.00	DOS(VGA VESA 60Hz)
640_480	37.50	75.00	VGA VESA 75Hz
640_480	37.86	72.81	VGA VESA 70Hz
640_480	37.86	74.38	VGA
640_480	35.00	67.00	Mac.
640_480	34.97	66.60	Mac LC 13"
800_600	35.16	56.25	SVGA VESA 56Hz
800_600	37.90	60.32	SVGA VESA 60Hz
800_600	46.90	75.00	SVGA VESA 75Hz
800_600	32.70	51.09	SVGA
800_600	34.50	55.38	SVGA
800_600	37.90	61.03	SVGA
800_600	38.00	60.51	SVGA
800_600	38.60	60.31	SVGA
832_624	49.00	74.00	Mac.
1024_768	48.40	60.00	XGA VESA 60Hz
1024_768	56.50	70.00	XGA VESA 70Hz
1024_768	60.000	75.00	XGA VESA 75Hz
1024_768	44.00	54.58	XGA
1024_768	46.90	58.20	XGA
1024_768	47.00	58.30	XGA
1024_768	48.50	60.02	XGA
1024_768	58.03	72.00	XGA
1024_768	60.31	74.92	XGA
1024_768	61.00	75.70	XGA
1024_768	60.24	75.08	MAC_Normal 19"
1280_960	60.00	60.00	SXGA VESA 60Hz
1280_1024	79.976	75.025	SXGA VESA 75Hz
1280_1024	62.50	58.60	SXGA
1280_1024	63.370	60.01	SXGA
1280_1024	63.34	59.98	SXGA
1280_1024	63.74	60.01	SXGA
1280_1024	63.79	60.18	SXGA
1280_1024	63.90	60.00	SXGA
1280_1024	71.69	67.19	SXGA
1280_1024	76.97	72.00	SXGA
1280_1024	81.13	76.107	SXGA
1152_864	64.20	70.40	SXGA
1152_900	61.20	65.20	SXGA
1152_900	61.85	66.00	SXGA
1152_900	71.40	75.60	SXGA
1152_870	68.68	75.06	MAC_Normal 21"
1280_960	75.00	75.08	Mac.
1280_1024	80.00	75.00	Mac_.
1600_1200	75.00	60.00	UXGA VESA 60Hz
1366_768	48.36	60.00	WXGA
1360_768	47.70	60.00	WXGA

Component signal support timing

Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)	Remark
720x480	15.735	60i	SDTV 480i
720x576	15.625	50i	SDTV 576i
720x480	31.25	60p	SDTV 480p
720x576	31.25	50p	SDTV 576p
1280x720	45.00	60p	HDTV 720p
1280x720	37.50	50p	HDTV 720p
1920x1080	33.75	60i	HDTV 1080i
1920x1080	28.13	50i	HDTV 1080i

DVI-D SIGNAL SUPPORT TIMING

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remark
640_480	31.43	59.88	VGA VESA 60Hz
640_480	37.86	72.81	VGA VESA 72Hz
640_480	37.5	75	VGA VESA 75Hz
640_480	34.97	66.6	MAC LC 13"
640_480	35	66.67	MAC_ NORMAL 13"
800_600	35.16	56.25	SVGA VESA 56Hz
800_600	37.88	60.32	SVGA VESA 60Hz
800_600	46.875	75	SVGA VESA 75Hz
832_624	49.72	74.55	MAC_ NORMAL 16"
1024_768	48.36	60	XGA VESA 60Hz
1024_768	60.23	75.03	XGA VESA 75Hz
1024_768	56.47	70.07	XGA VESA 70Hz
1024_768	60.24	75.08	MAC_ NORMAL 19"
1152_870	68.68	75.06	MAC_ NORMAL 21"
1280_1024	63.98	60.02	SXGA VESA 60Hz
720_480	31.7	59.94	480p
768_575	31.25	50	575p
1280_720	37.5	50	720p-50Hz
1280_720	45	60	720p-60Hz
1366_768	48.36	60	WXGA
1360_768	47.7	60	WXGA
1920_1080	28.125	50	1080i-50Hz
1920_1080	33.75	60	1080i-60Hz

Depending on the condition of signals and the type and length of cables, these signals may not be properly viewed.

To save the **native resolution 1366_768** setting switch the monitor off then on using the standby button.

COMPONENT SIGNAL SUPPORT TIMING LIST

PC signal support timing

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remark
720_400	31.47	70.09	DOS(VGA)
640_480	31.50	60.00	DOS(VGA VESA 60Hz)
640_480	37.50	75.00	VGA VESA 75Hz
640_480	37.86	72.81	VGA VESA 70Hz
640_480	37.86	74.38	VGA
640_480	35.00	67.00	Mac.
640_480	34.97	66.60	Mac LC 13"
800_600	35.16	56.25	SVGA VESA 56Hz
800_600	37.90	60.32	SVGA VESA 60Hz
800_600	46.90	75.00	SVGA VESA 75Hz
800_600	32.70	51.09	SVGA
800_600	34.50	55.38	SVGA
800_600	37.90	61.03	SVGA
800_600	38.00	60.51	SVGA
800_600	38.60	60.31	SVGA
832_624	49.00	74.00	Mac.
1024_768	48.40	60.00	XGA VESA 60Hz
1024_768	56.50	70.00	XGA VESA 70Hz
1024_768	60.000	75.00	XGA VESA 75Hz
1024_768	44.00	54.58	XGA
1024_768	46.90	58.20	XGA
1024_768	47.00	58.30	XGA
1024_768	48.50	60.02	XGA
1024_768	58.03	72.00	XGA
1024_768	60.31	74.92	XGA
1024_768	61.00	75.70	XGA
1024_768	60.24	75.08	MAC_Normal 19"
1280_960	60.00	60.00	SXGA VESA 60Hz
1280_1024	79.976	75.025	SXGA VESA 75Hz
1280_1024	62.50	58.60	SXGA
1280_1024	63.370	60.01	SXGA
1280_1024	63.34	59.98	SXGA
1280_1024	63.74	60.01	SXGA
1280_1024	63.79	60.18	SXGA
1280_1024	63.90	60.00	SXGA
1280_1024	71.69	67.19	SXGA
1280_1024	76.97	72.00	SXGA
1280_1024	81.13	76.107	SXGA
1152_864	64.20	70.40	SXGA
1152_900	61.20	65.20	SXGA
1152_900	61.85	66.00	SXGA
1152_900	71.40	75.60	SXGA
1152_870	68.68	75.06	MAC_Normal 21"
1280_960	75.00	75.08	Mac.
1280_1024	80.00	75.00	Mac_.
1600_1200	75.00	60.00	UXGA VESA 60Hz
1366_768	48.36	60.00	WXGA
1360_768	47.70	60.00	WXGA

Component signal support timing

Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)	Dot Clock Frequency(Mhz)	Remark
720x480	15.735	60i	12.27	SDTV 480i
720x576	15.625	50i	13.50	SDTV 576i
720x480	31.25	60p	27	SDTV 480p
720x576	31.25	50p	27	HDTV 576p
1280x720	45.00	60p	74.25	HDTV 720p
1280x720	37.50	50p	74.25	HDTV 720p
1920x1080	33.75	60i	74.25	HDTV 1080i
1920x1080	28.13	50i	74.25	HDTV 1080i
1920x1080	31.25	50i	74.25	HDTV 1152i

DVI-D SIGNAL SUPPORT TIMING

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remark
640_480	31.43	59.88	VGA VESA 60Hz
640_480	37.86	72.81	VGA VESA 72Hz
640_480	37.5	75	VGA VESA 75Hz
640_480	34.97	66.6	MAC LC 13"
640_480	35	66.67	MAC_ NORMAL 13"
800_600	35.16	56.25	SVGA VESA 56Hz
800_600	37.88	60.32	SVGA VESA 60Hz
800_600	46.875	75	SVGA VESA 75Hz
832_624	49.72	74.55	MAC_ NORMAL 16"
1024_768	48.36	60	XGA VESA 60Hz
1024_768	60.23	75.03	XGA VESA 75Hz
1024_768	56.47	70.07	XGA VESA 70Hz
1024_768	60.24	75.08	MAC_ NORMAL 19"
1152_870	68.68	75.06	MAC_ NORMAL 21"
1280_1024	63.98	60.02	SXGA VESA 60Hz
720_480	31.7	59.94	480p
768_575	31.25	50	575p
1280_720	37.5	50	720p-50Hz
1280_720	45	60	720p-60Hz
1366_768	48.36	60	WXGA
1360_768	47.7	60	WXGA
1920_1080	28.125	50	1080i-50Hz
1920_1080	33.75	60	1080i-60Hz

Depending on the condition of signals and the type and length of cables, these signals may not be properly viewed.

To save the **native resolution 1366_768** setting switch the monitor off then on

RS-232C COMMAND TABLES

Functional Execution Command Table

Command	Item	Comment
C00	Power ON	
C01	Power OFF	
C23	Wide “Auto” direct	
C24	Wide “Natural” direct	
C29	Wide “Full” direct	
C0F	Wide “Normal” direct	
C30	Picture	Toggle (Dynamic, Standard, Eco, Perconal)
C70	AV1 direct	
C71	RGB direct	
C72	AV2 RGBHV direct	
C73	AV2 YPbPr direct	
C74	AV3 direct	
C75	DVI direct	
C76	PC direct	
C64	PC Auto adjust	
C92	Factory settings	
CF PSAVE ON	Power save ON	
CF PSAVE OFF	Power save OFF	
CF CLOK ON	Child Lock ON	
CF CLOK OFF	Child Lock OFF	
CF DEA RMCY	RC inhibition OFF	
CF DEA RMCN	RC inhibition ON	

“---” _means “No Function”.

Status Read Command Table

Command	Item	Note
CR0	Power	On, Standby, power error,...
CR1	Input Mode	AV1, AV2,..., HDMI, PC
CR WIDE	Wide Mode	Auto, Normal, Full,...
CR PICTURE	Picture mode	Dynamic, Standard, ...
CR SIGNAL	Signal existence	Signal / No signal
CR CHILD	Child Lock	On / Off
CR PSAVE	Power Save (On/Off)	On / Off
CR TM	Panel operating time	

“---”_means “No Function”

SANYO

Printed in U.K.